



**TDOT**

Department of  
Transportation

**Welcome to the webinar!  
We'll begin shortly.**

# I-40/81 Multimodal Corridor Study

## Round 2 Virtual Public Meetings

December 9, 2020



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# I-40/81 Multimodal Corridor Study

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# TODAY'S AGENDA



CORRIDOR STUDY

- Study Purpose
- Types of Needs Identified on I-40 and I-81
- Recommended Solutions
- Discussion / Questions

# STUDY PURPOSE



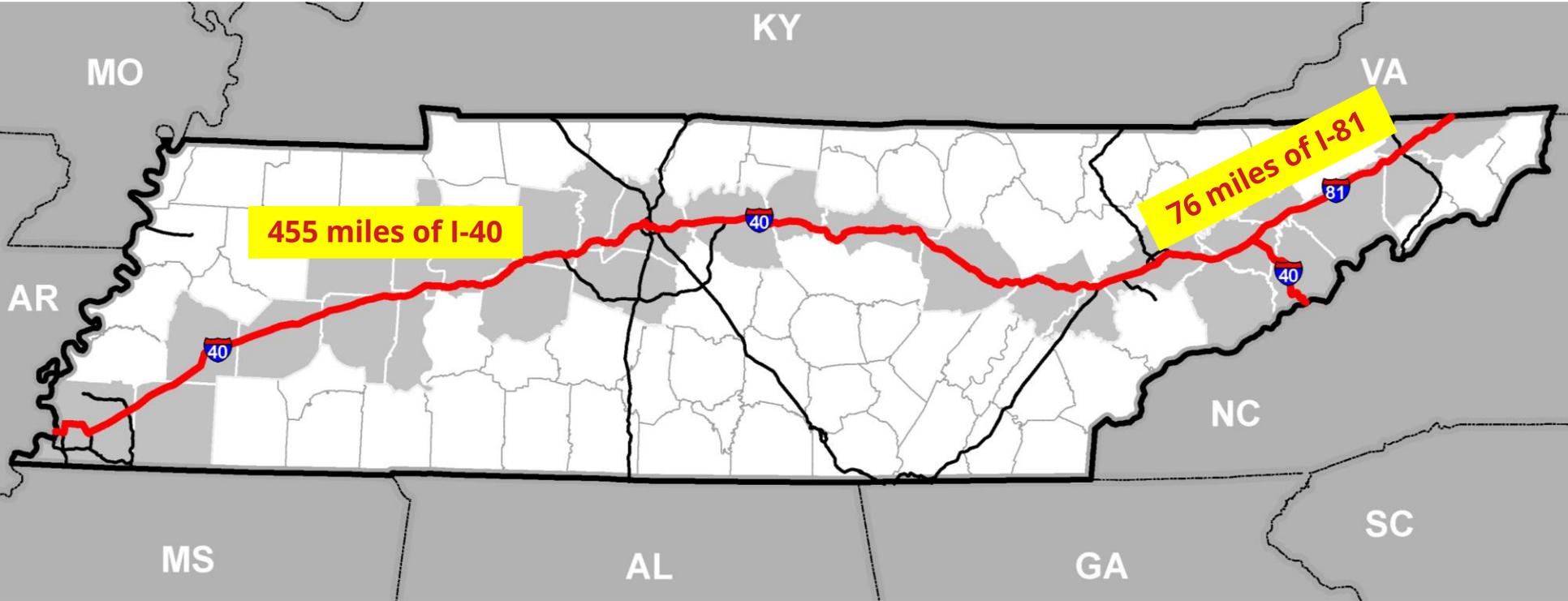
## WHAT THIS STUDY IS:

- ✓ A 20-year, phased set of recommended transportation improvements for the I-40 and I-81 corridors

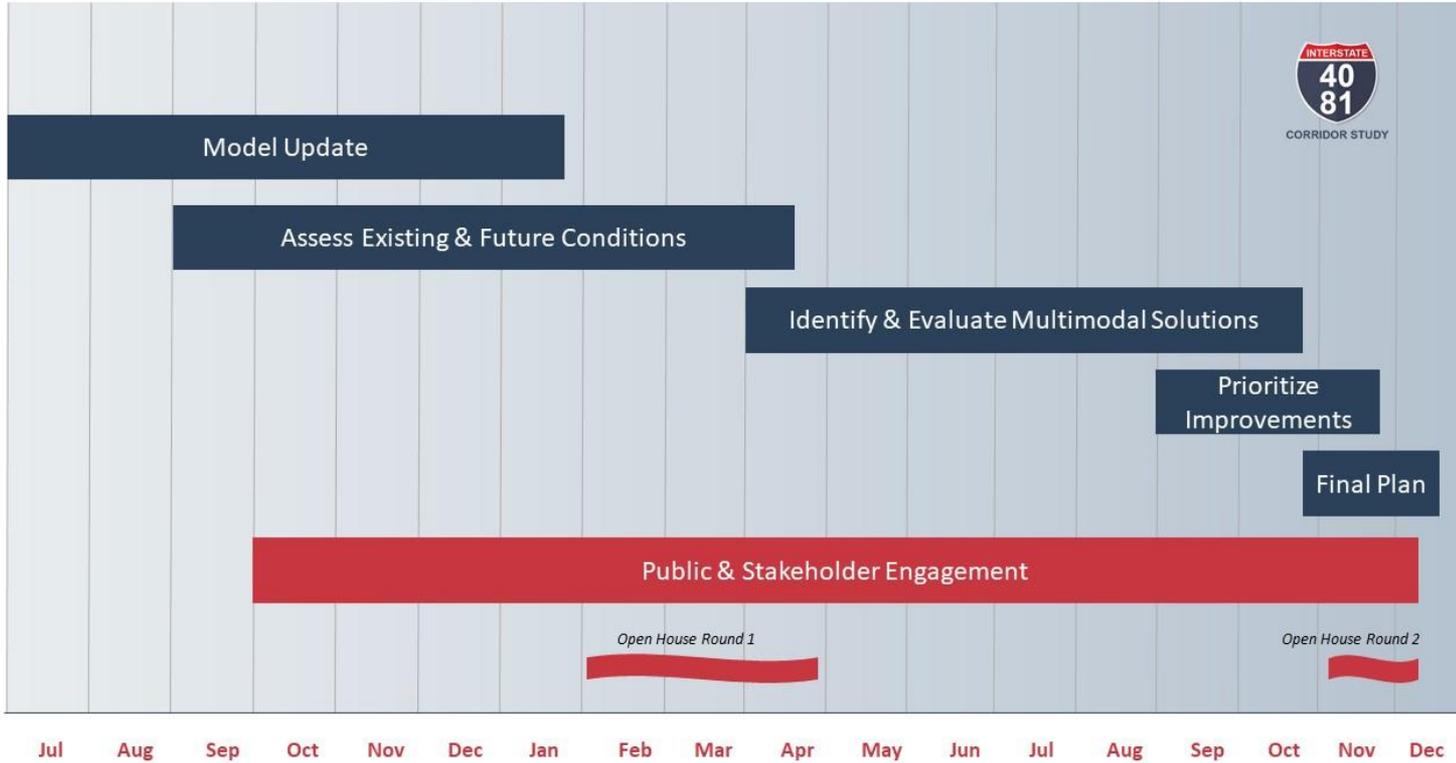
## PURPOSE:

- ✓ Guidance for decision-makers regarding future projects
- ✓ Promote coordination with stakeholders on the future of this corridor

# CORRIDOR STUDY AREA



# STUDY TIMELINE



# RECOMMENDED SOLUTION TYPES



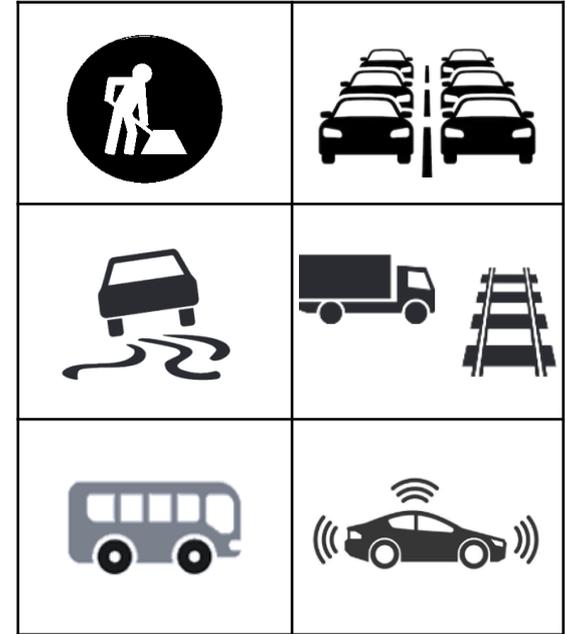
Highway Expansion

Safety

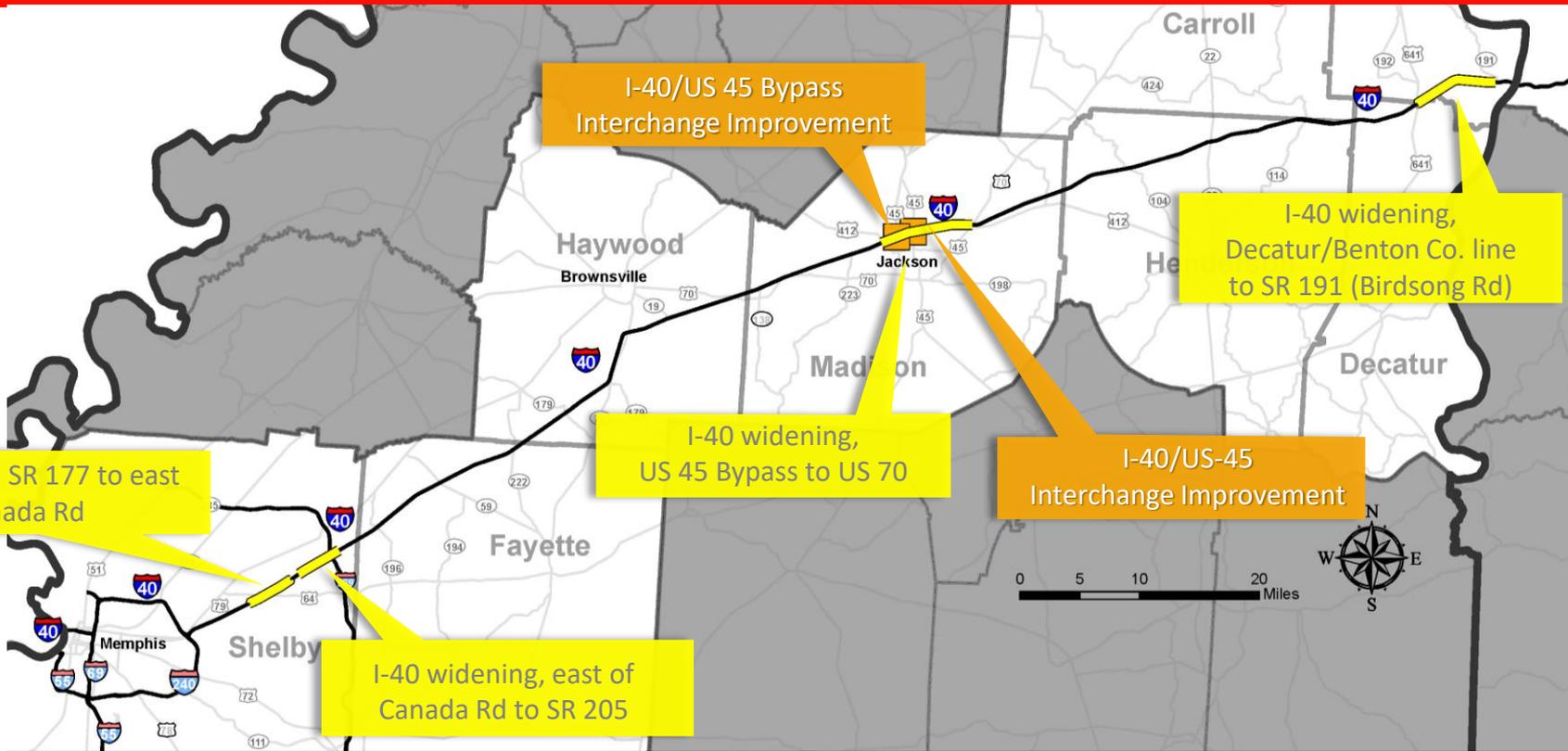
Transportation Systems Management & Operations

Freight

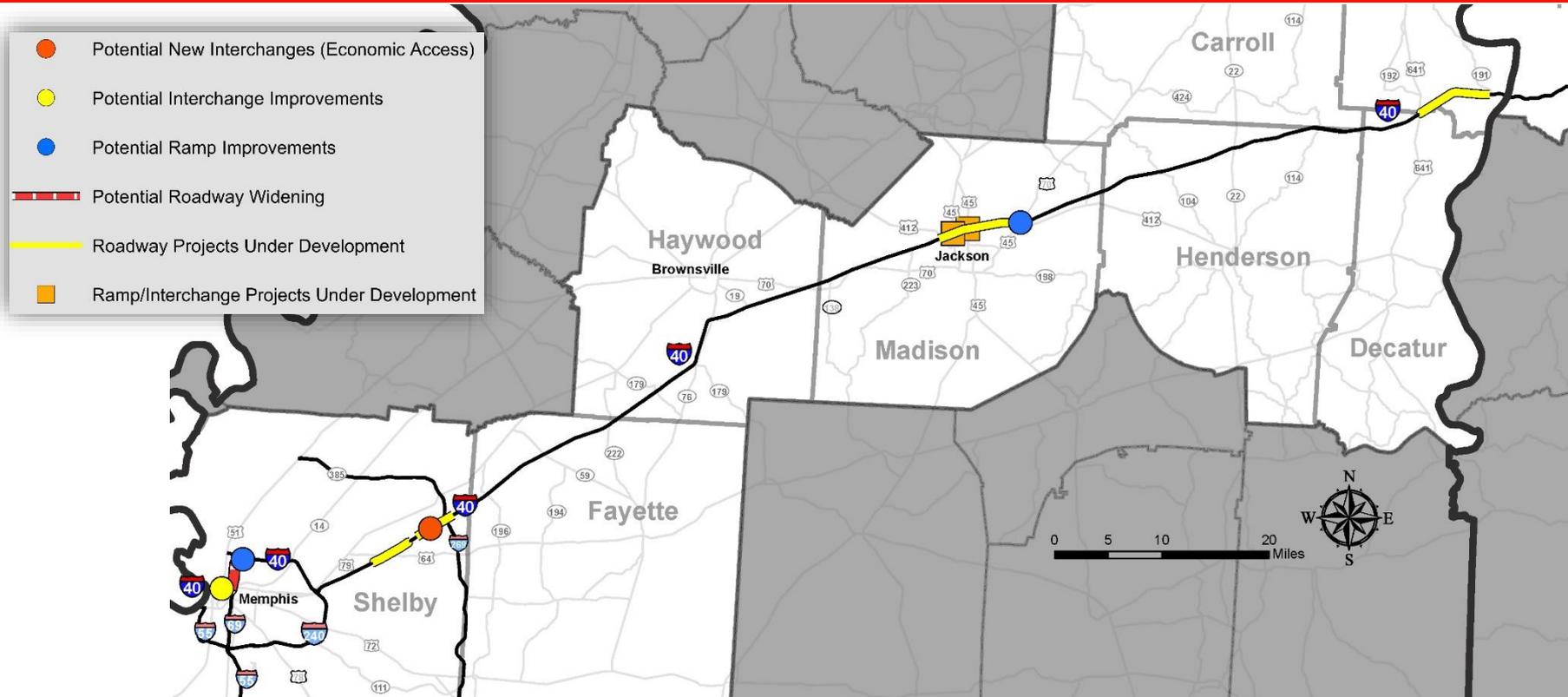
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# I-40 PROJECTS IN THE IMPROVE ACT



# RECOMMENDED HIGHWAY IMPROVEMENTS



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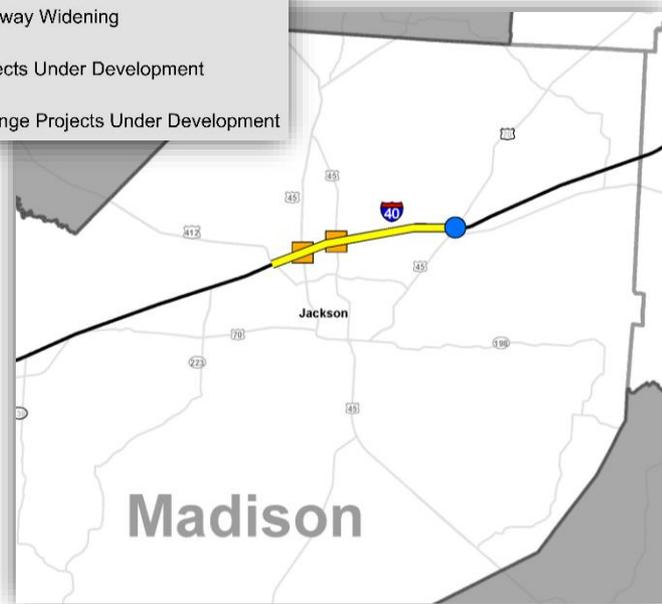
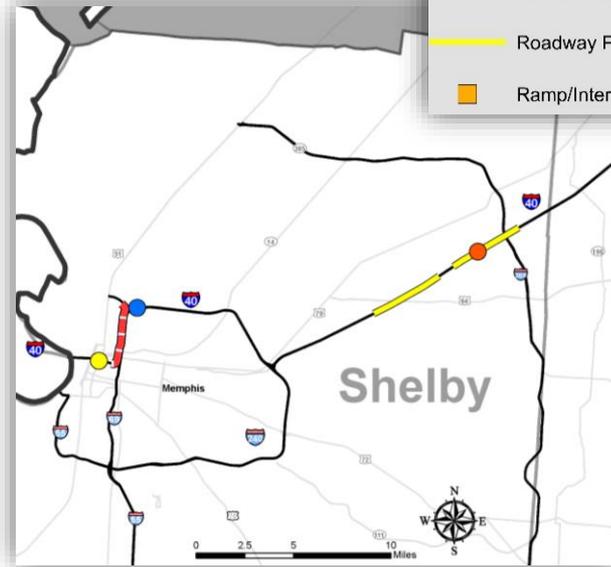
## Jackson Area

- Ramp improvement at Exit 87 (US 70)

## Memphis area

- Widen I-40 from Exit 1E (I-240) to Exit 2A (SR 300)
- Add collector-distributor road for westbound exiting traffic to US 51 (Danny Thomas Blvd) and 2nd Ave
- Reconfigure ramp at Exit 3 with intersection of North Watkins St and Overton Crossing St
- New interchange at Chambers Chapel Road

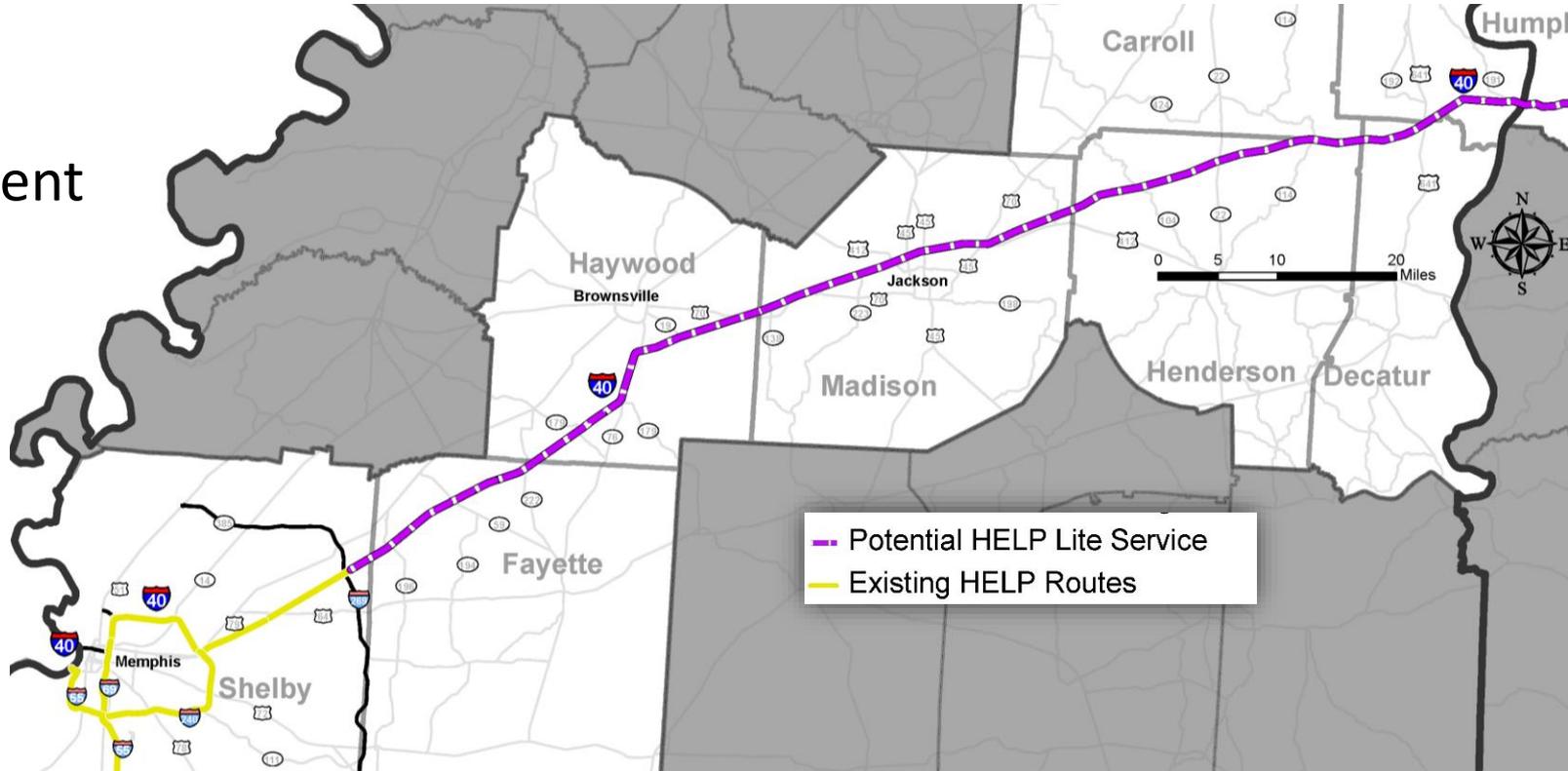
- Potential New Interchanges (Economic Access)
- Potential Interchange Improvements
- Potential Ramp Improvements
- ▬ Potential Roadway Widening
- ▬ Roadway Projects Under Development
- Ramp/Interchange Projects Under Development



# RECOMMENDED SAFETY IMPROVEMENTS



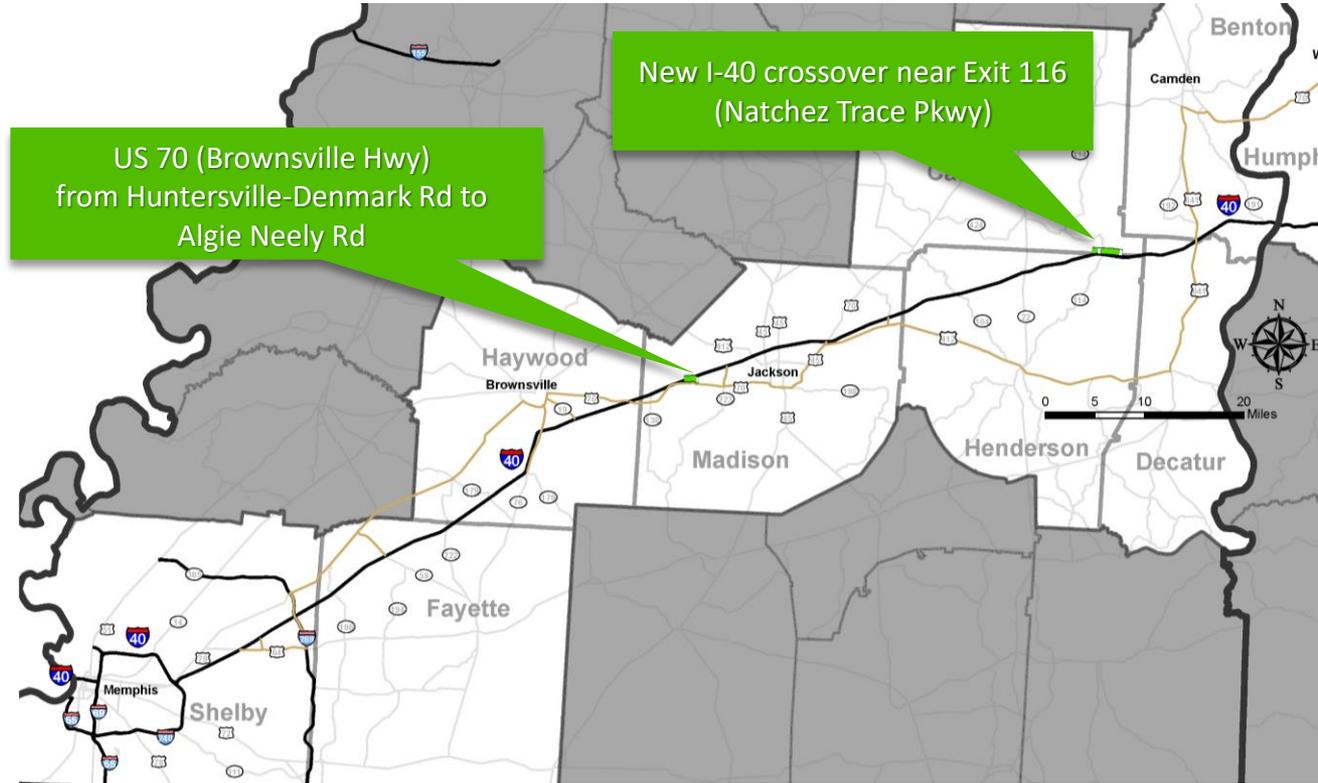
## Incident Management



# RECOMMENDED SAFETY IMPROVEMENTS



- Improvements to I-40 itself
- Improvements to routes designated for use as I-40 detours



## TSMO

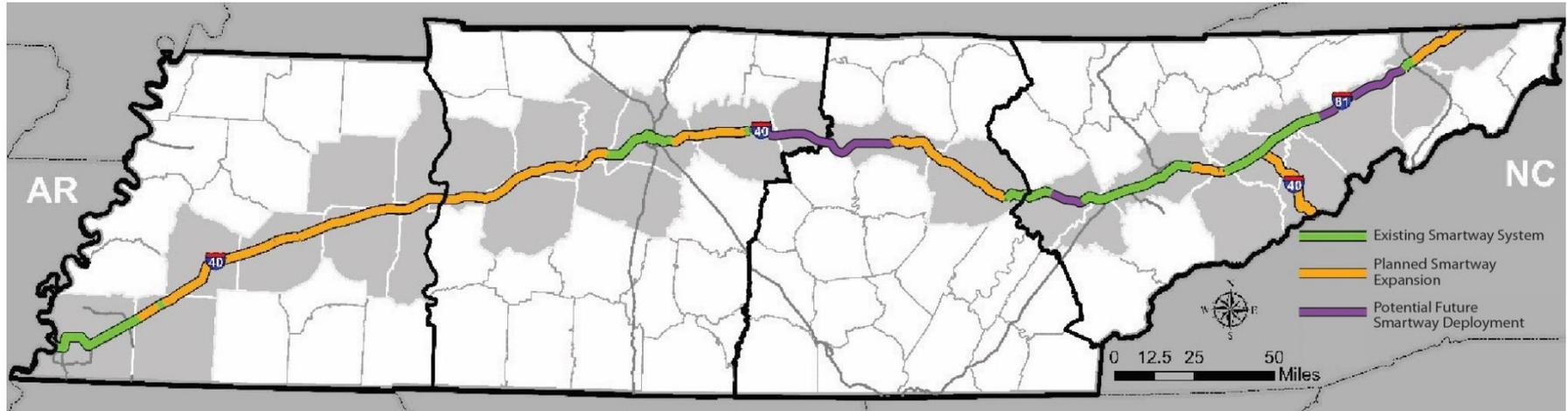
- Management of transportation facilities with strategies to maximize their existing efficiency
- Often involves technology – but not always
- Can delay the need to physically expand the facility

### Examples of TSMO strategies:

- ✓ Real-time traveler information
- ✓ Integrated corridor management (ICM)
- ✓ Managed lanes
- ✓ Ramp metering



# RECOMMENDED SMARTWAY EXPANSION



## Smartway Expansion includes:

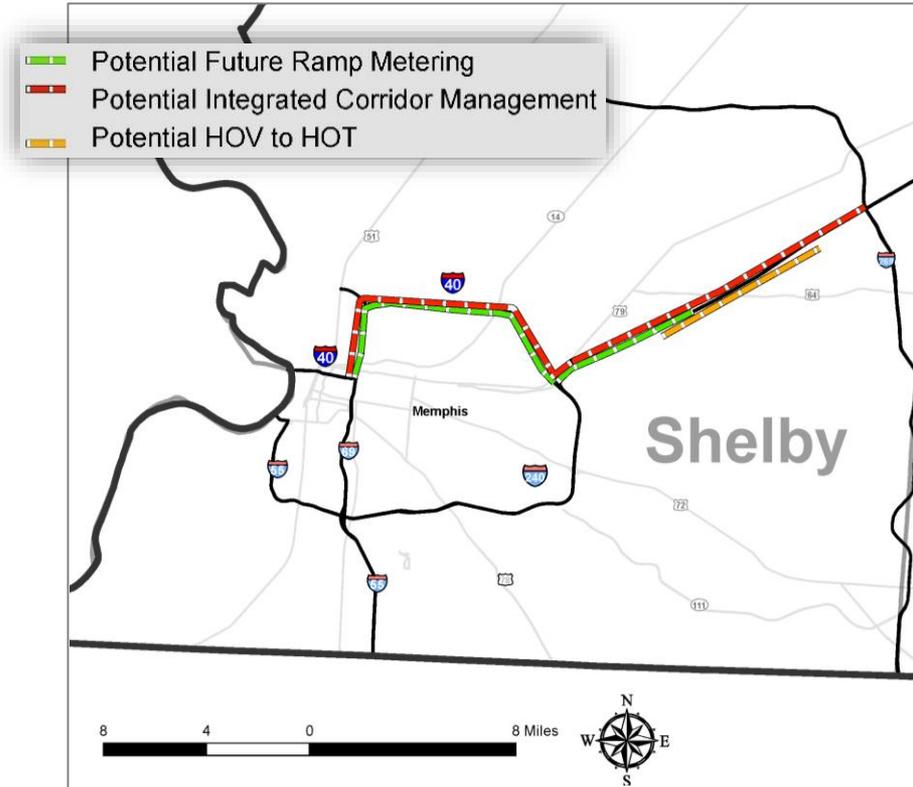
- Radar speed detection
- Roadway weather sensors
- CCTV cameras
- Dynamic message signs

# RECOMMENDED TSMO STRATEGIES

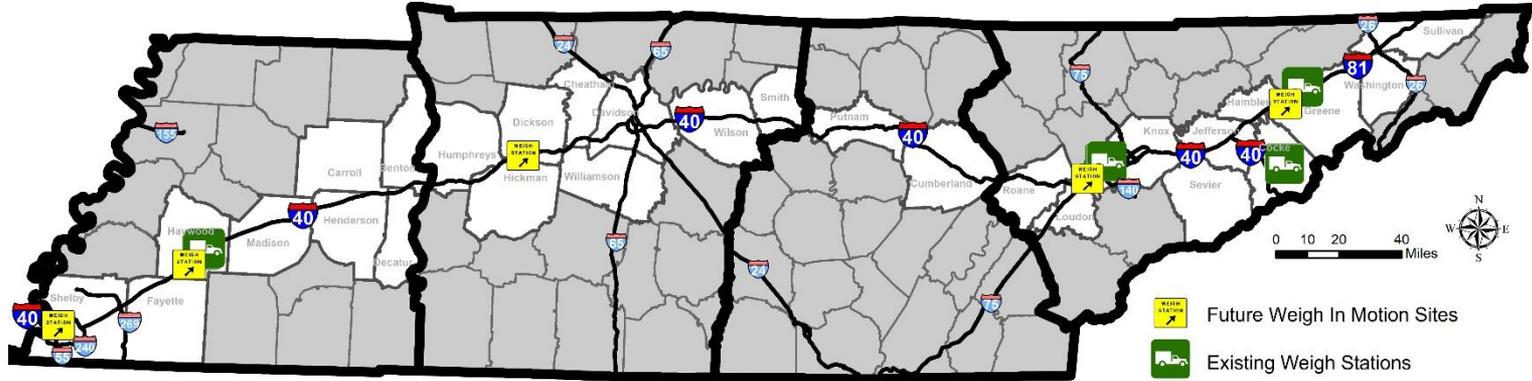


## Memphis area

- Integrated Corridor Management from MM 1 to I-269 (SR 385)
- Potential conversion of HOV lane to HOT lane between MM 16 (near Sycamore View Rd) and MM 22 (near US 64)
- Potential ramp metering between Exit 1 and Exit 16 (Germantown Pkwy)



# WEIGH IN MOTION TECHNOLOGY



## Future Weigh in Motion sites on I-40 and I-81:

- Shelby County
- Haywood County
- Dickson County
- Knox County
- Greene County

# ELECTRIC VEHICLES / ALTERNATIVE FUELS



## Legend

### Alternative Fuel Corridors

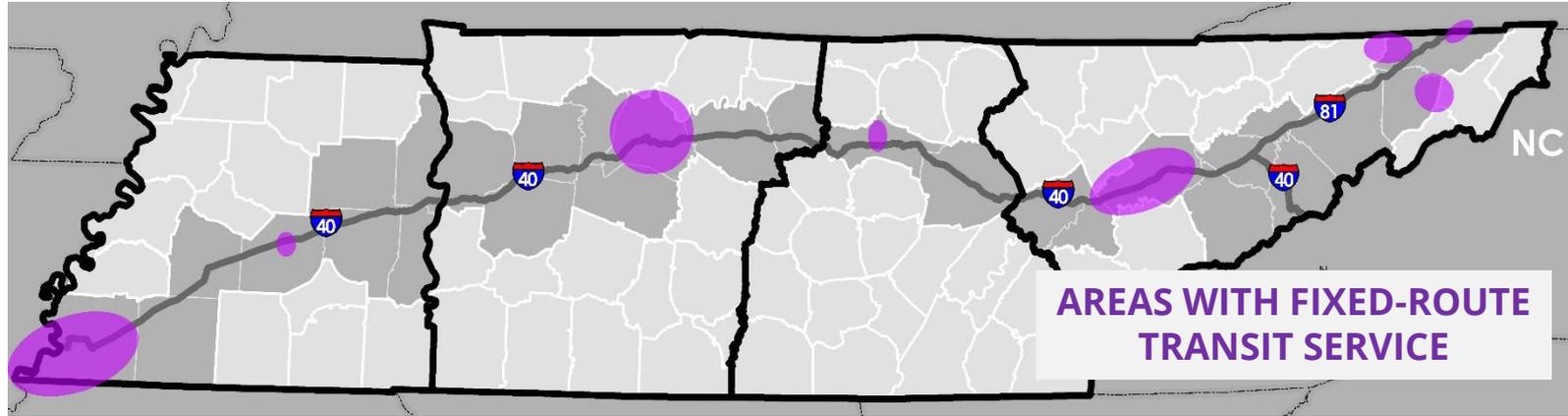
— EV Corridor Ready

— EV Corridor Pending

## National EV “Corridor Ready” guidelines:

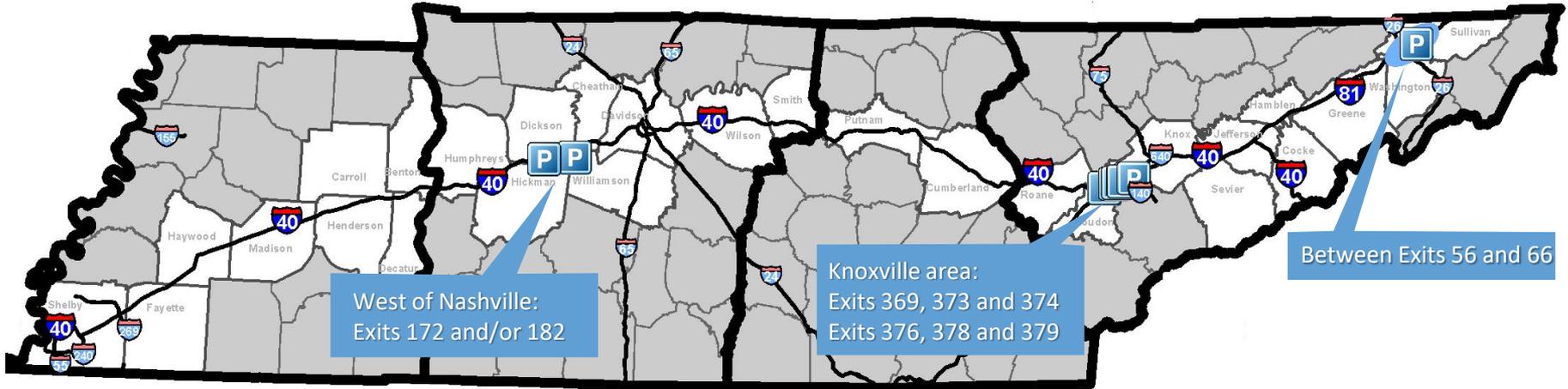
- Public DC fast charging stations at least every 50 miles
- Stations no farther than 5 miles off the corridor
- Equipped with multiple connector types

# TRANSIT SERVICE



- Intercity services
- Regional services
- Carpool, vanpool programs

# FUTURE PARK AND RIDE FACILITIES



# HOW TO SHARE YOUR INPUT



**Q&A session at today's virtual meeting**

**Visit the project website:**

[www.tn.gov/tdot/i-40-81-study.html](http://www.tn.gov/tdot/i-40-81-study.html)

**Take our survey:**

<https://www.surveymonkey.com/r/l4081Study>

## **Contact TDOT:**

Antoine Hawkins, Region 4 Planning Supv.  
(901) 208-0070 or [Antoine.Hawkins@tn.gov](mailto:Antoine.Hawkins@tn.gov)

Joan Barnfield, TDOT Project Manager  
(615) 253-2418 or [Joan.Barnfield@tn.gov](mailto:Joan.Barnfield@tn.gov)

## **Send a letter to TDOT:**

Attention: Joan Barnfield  
TDOT Long Range Planning Division  
505 Deaderick Street, Suite 900  
Nashville, TN 37243-0349

# DISCUSSION, QUESTIONS, COMMENTS

